



## Telethings LoTe-D1 Bežični LoRa termostat

Telethings LoTe-D1 je uređaj namijenjen za upravljanje sistemom grijanja unutar jedne prostorije.

Baziran je na LoRa tehnologiji. LoRa (skraćeno od "Long Range") je "spread spectrum modulation" radijska tehnika koje je nastala iz "chirp spread spectrum" (CSS) tehnologije, koja koristi nelicencirani radijski frekventni opseg što omogućava razvoj ekonomičnih IoT sistema i rješenja kao alternativa GSM/GPRS mreži.

Uređaj se sastoji od Home Sensora koji služi za prikaz, zadavanje i mjerenje temperature unutar prostorije te Control Box - uređaja koji služi za regulaciju (paljenje/gašenje) izvora grijanja (peć, pumpa, itd.).

Komunikacija se vrši putem LoRa tehnologije i koristi jako malo energije. Osim toga, uređaj posjeduje E-Paper grafički displej koji dodatno utiče na smanjenje potrošnje energije.

## PRODUCT SPECIFICATIONS

WIRELESS THERMOSTAT	
<b>Description</b>	Device for measuring/setting the temperature
<b>Measuring the temperature</b>	0°C – 60°C, with 1°C step
<b>Setting the temperature</b>	5°C – 35°C, with 1°C step
<b>Set temperature regulation</b>	+/- 0,5°C
<b>Communication with ControlBox</b>	Mandatory sending current temperature every 60 minutes, or while room temperature was changed by 1°C. Pressing the buttons UP or DOWN temperature is being set. Holding buttons UP and DOWN at the same time, request for registration (Pairing) of devices is being sent.
<b>Power supply</b>	2xAAA batteries ( 3V )
<b>Device dimensions</b>	9 x 11 x 2 cm
<b>Device weight</b>	60 gr
<b>Temperature</b>	Storage temperature -10°C - +60°C Operating temperature 0°C - +60°C
<b>Radio signal frequency</b>	868 MHz
<b>Communication range</b>	Up to 100m outdoors

CONTROLBOX	
<b>Description</b>	Device for processing data and regulating heating system
<b>Power supply</b>	220V ~ 50/60 Hz
<b>Device dimensions</b>	10 x 6 x 2,5 cm
<b>Device weight</b>	100 gr
<b>Temperature</b>	Storage temperature -10°C - +60°C Operating temperature 0°C - +60°C
<b>Radio signal frequency</b>	868 MHz
<b>Communication range</b>	Up to 100m outdoors

### What's in the box:

- Installation manual
- Wireless thermostat
- Controlbox
- 868 MHz antenna
- 2x screw and 2x plastic dowels
- Duplex tape